

**PATENT APPLICATION**

**RESPONSE UNDER 37 CFR §1.116  
EXPEDITED PROCEDURE  
TECHNOLOGY CENTER ART UNIT 2834**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

**COURTESY COPY**

Keiji TAKAHASHI et al.

Group Art Unit: 2834

Application No.: 09/891,222

Examiner: P. Cuevas

Filed: June 26, 2001

Docket No.: 111343

For: VOLTAGE REGULATOR OF VEHICLE AC GENERATOR HAVING VARIABLE  
BYPASS CIRCUIT RESISTANCE (AS AMENDED)

**AMENDMENT AFTER FINAL REJECTION UNDER 37 CFR §1.116**

Director of the U.S. Patent and Trademark Office  
Washington, D.C. 20231

Sir:

In reply to the December, 18, 2003 Office Action, and the personal interview conducted on April 9, 2003, the shortened statutory period for reply being extended by the enclosed Petition for Extension of Time, please amend the above-identified application as follows:

**IN THE CLAIMS:**

Please replace claims 1 and 8-12 as follows:

1. (Twice Amended) A voltage regulator of a vehicle AC generator including a field circuit having a field coil and a plurality of magnetic poles and an output circuit having an armature coil, said voltage regulator comprising:  
  
first means, having an input terminal and a detection line connecting said input terminal and said armature coil, for detecting a self-excited voltage that is induced in said armature coil by a residual magnetic flux of said rotor;